

# In Vitro Growth of CD4+ Peripheral Blood T Cells in Serum-Free Medium

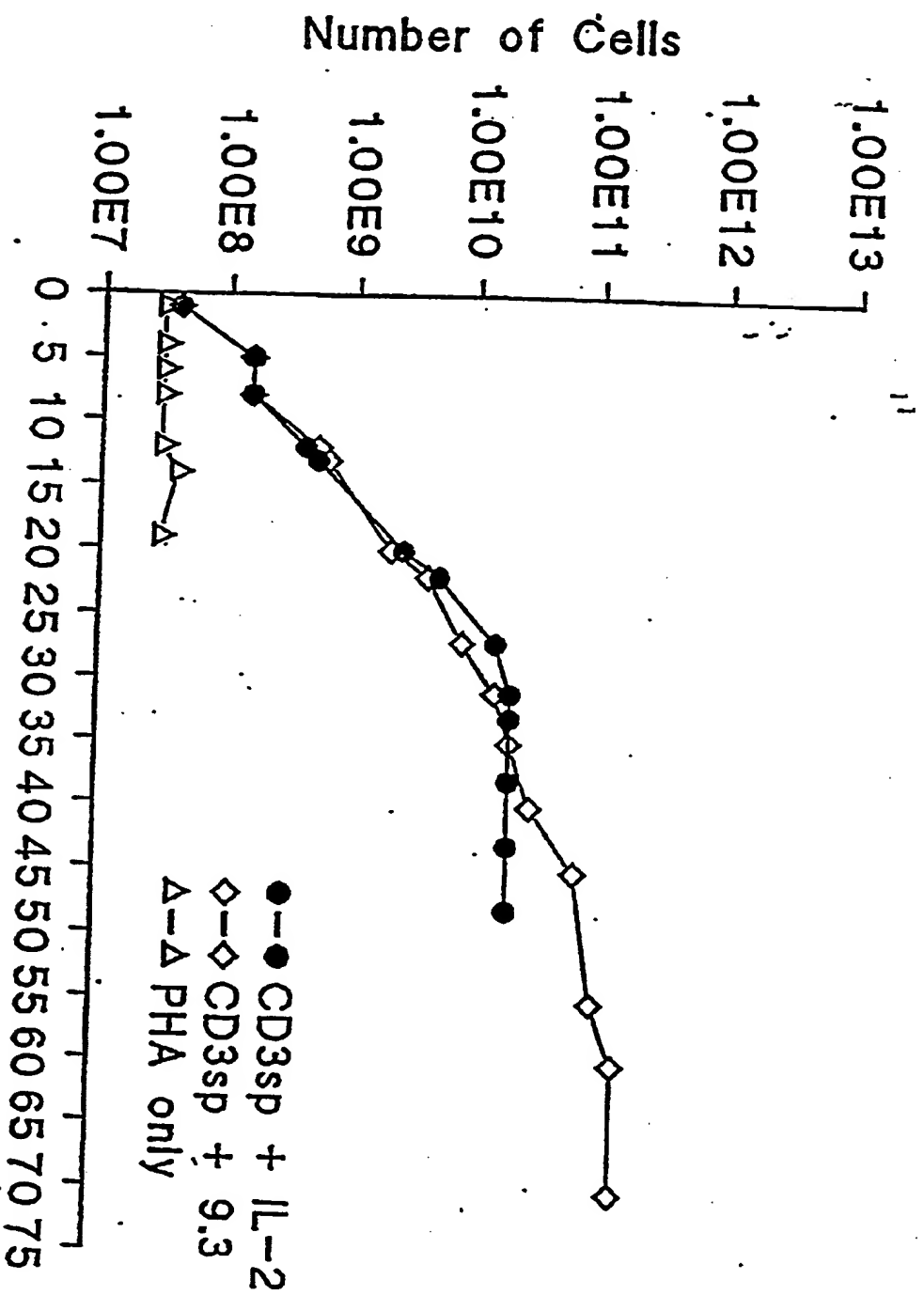


FIG. 1

# GAMMA/DELTA NO. 7

(RPMI w/ 10% FCS)

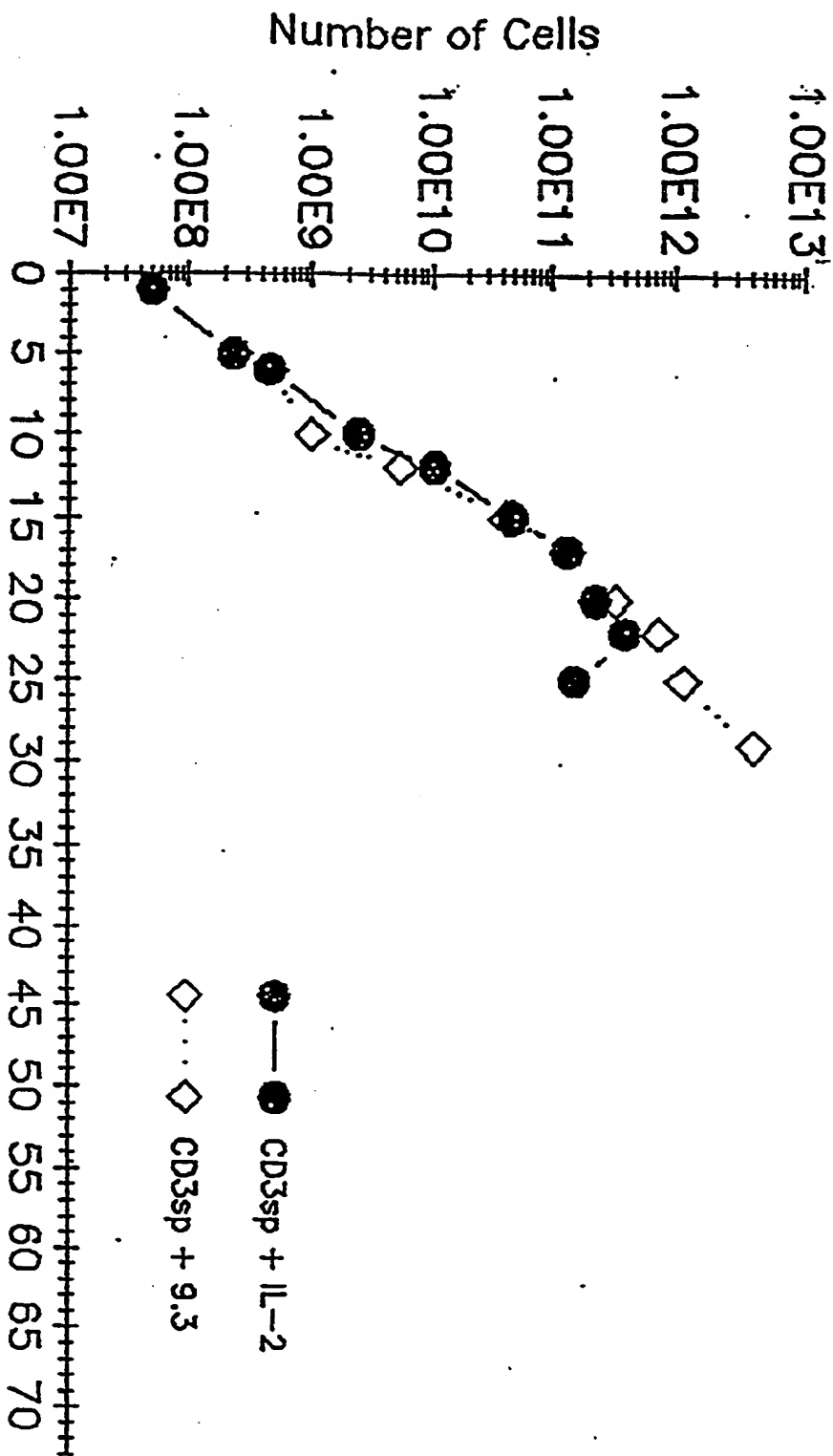


FIG. 2

# LT #13: GROWTH CURVES

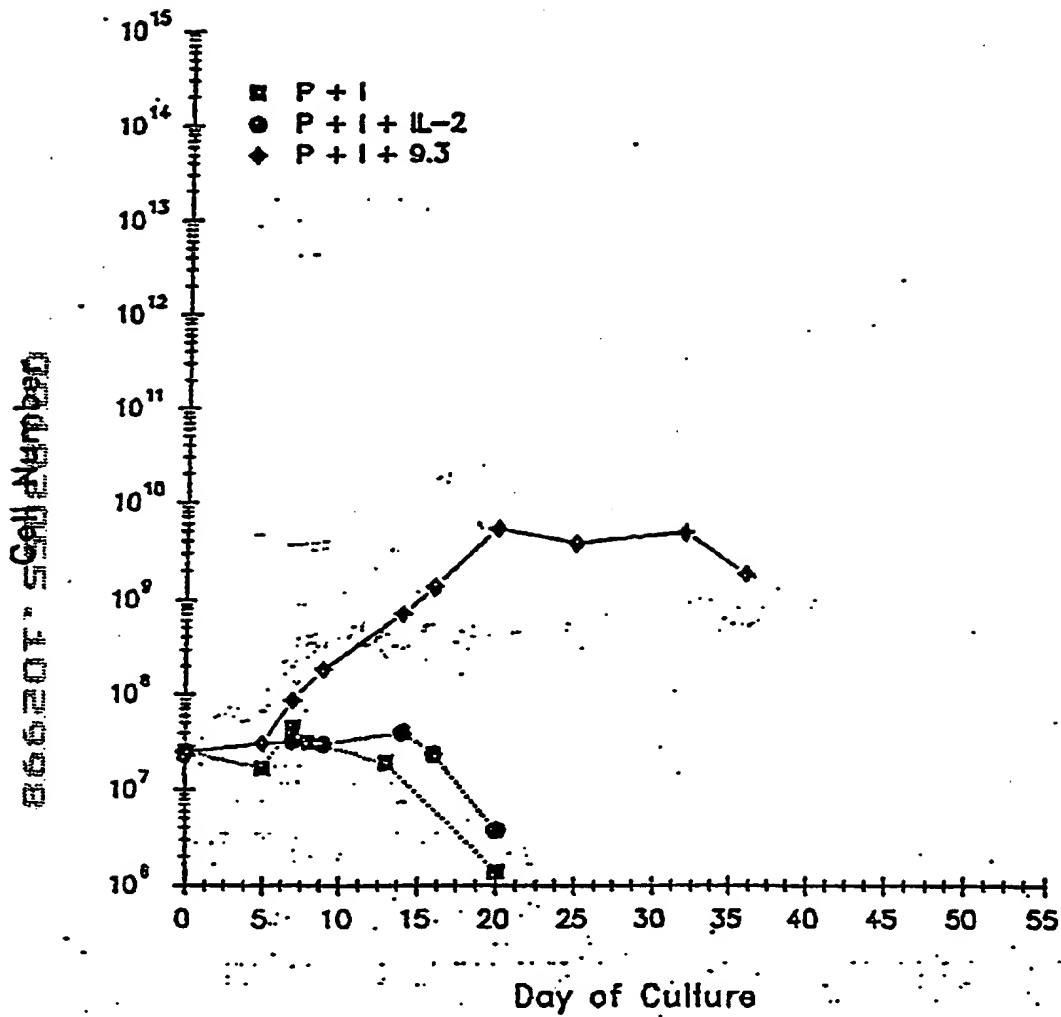
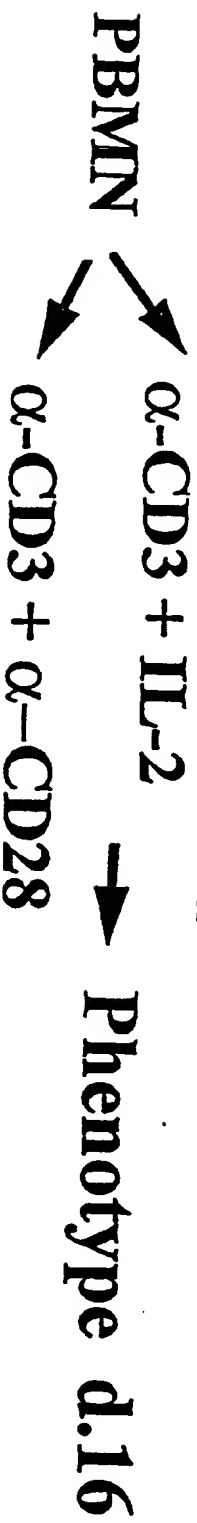


FIG. 3

# Selective Outgrowth of CD4<sup>+</sup> T Cells During CD28 Stimulated T Cell Expansion



Culture	Day 0		Day 16	
	CD4	CD8	CD4	CD8
	30.9	13.9		
CD3 + IL-2			8.0	84.5
CD3 + CD28			44.6	52.5

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FIG. 4

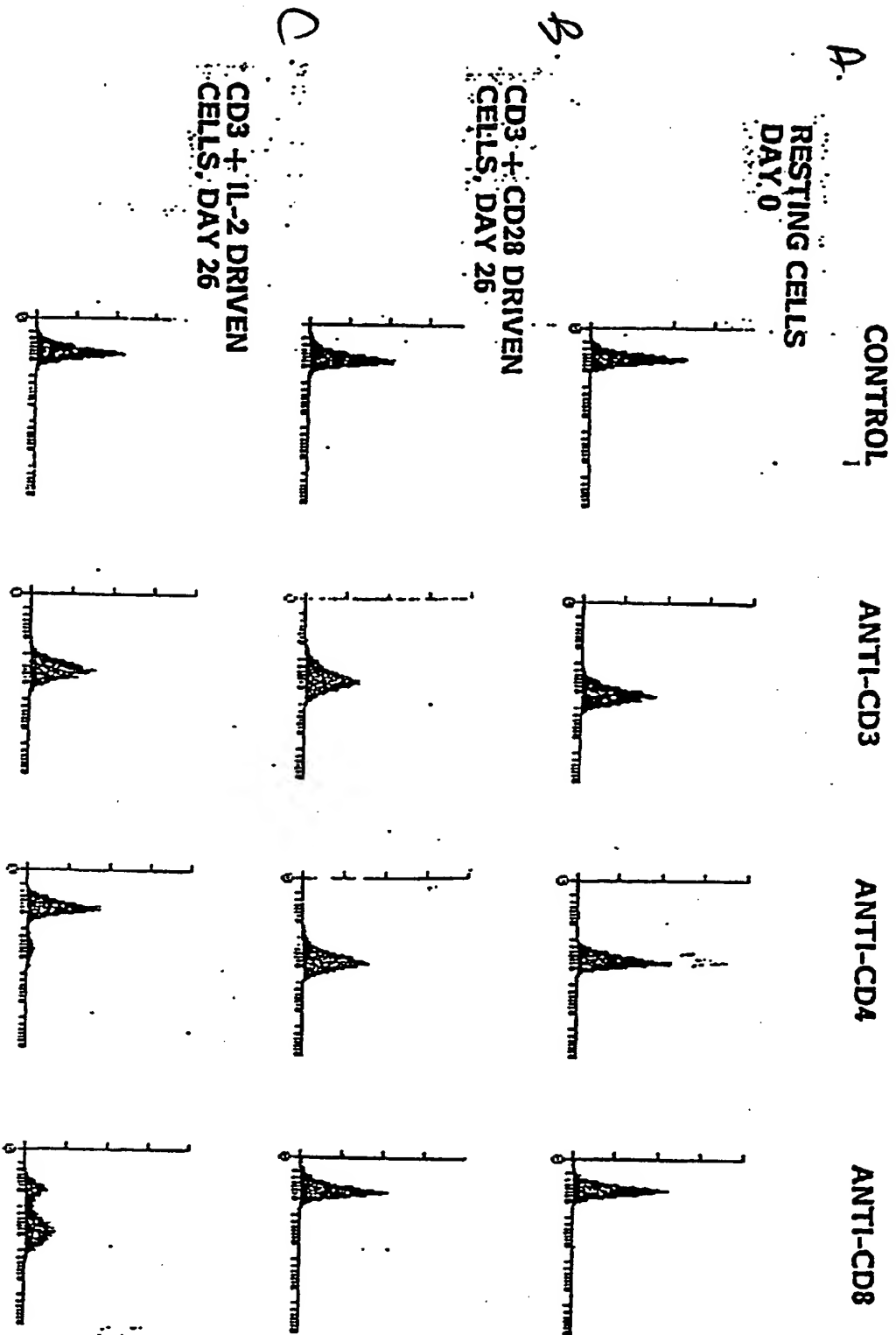
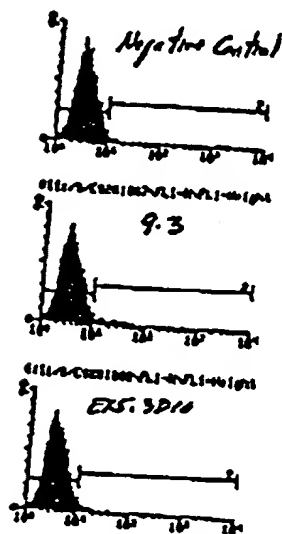


FIG. 5

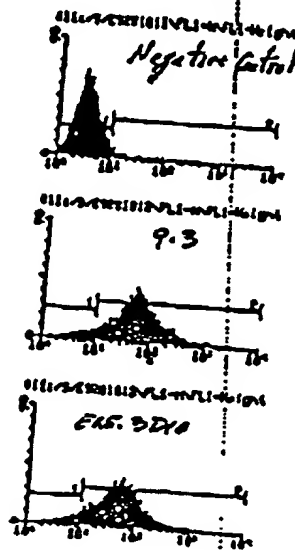
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# mAb EX5.3D10

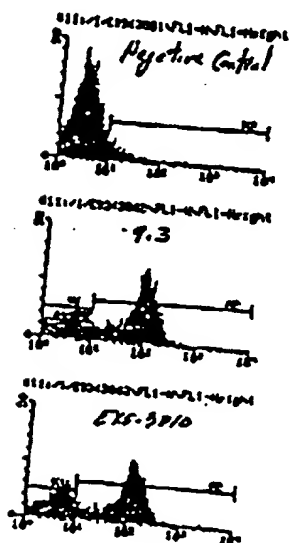
a. CHO-DG44 cells



b. CHO-hh cells



c. Unactivated PBLs



d. Jurkat #7 cells

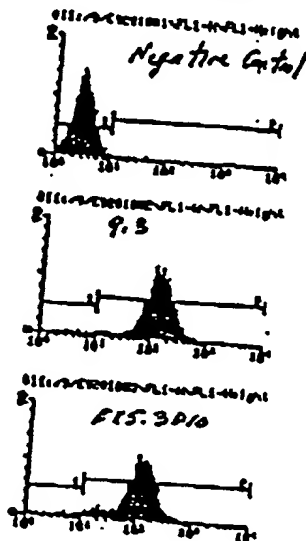
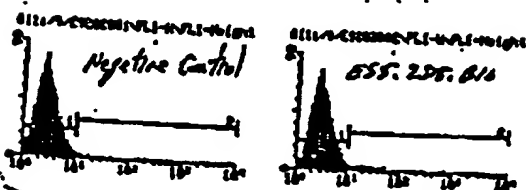


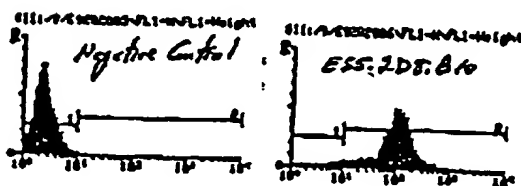
FIG. 6

# mAb ES5.2D8

a. CHO-DG44 cells



b. CHO-105A cells



hPBLs:

c. Unactivated

d. PMA Activated

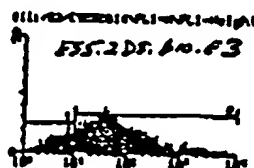
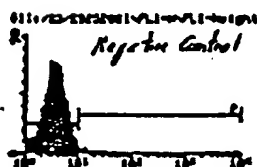


FIG. 7

86020T-550E8T60

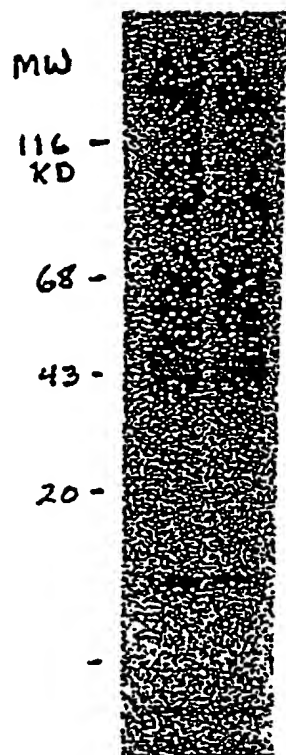


FIG. 8



# Use of Cell Sizing to Propagate

CD4<sup>+</sup> T Cells

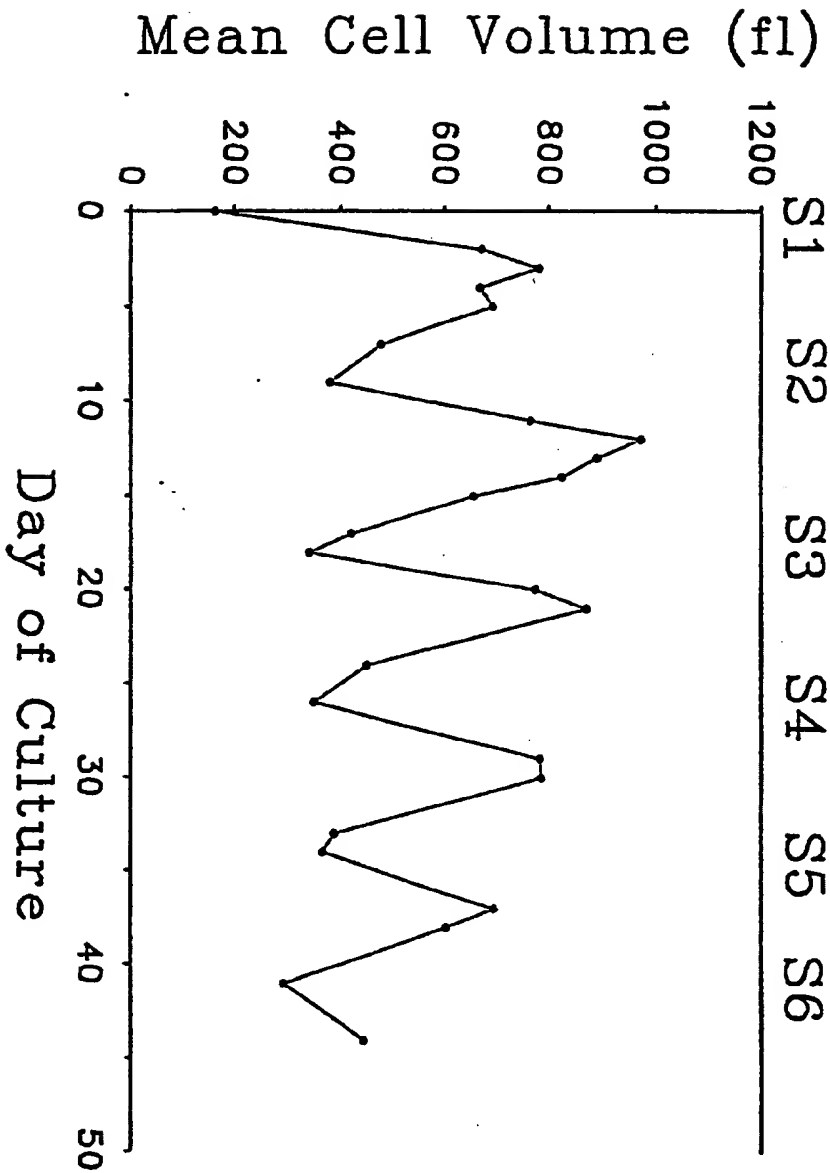


FIG. 9

Cells: CD28<sup>+</sup>/CD4<sup>+</sup>  
Stimulation: CD3 + CD28

# Cyclic Expression of B7 on CD4<sup>+</sup> T Cells

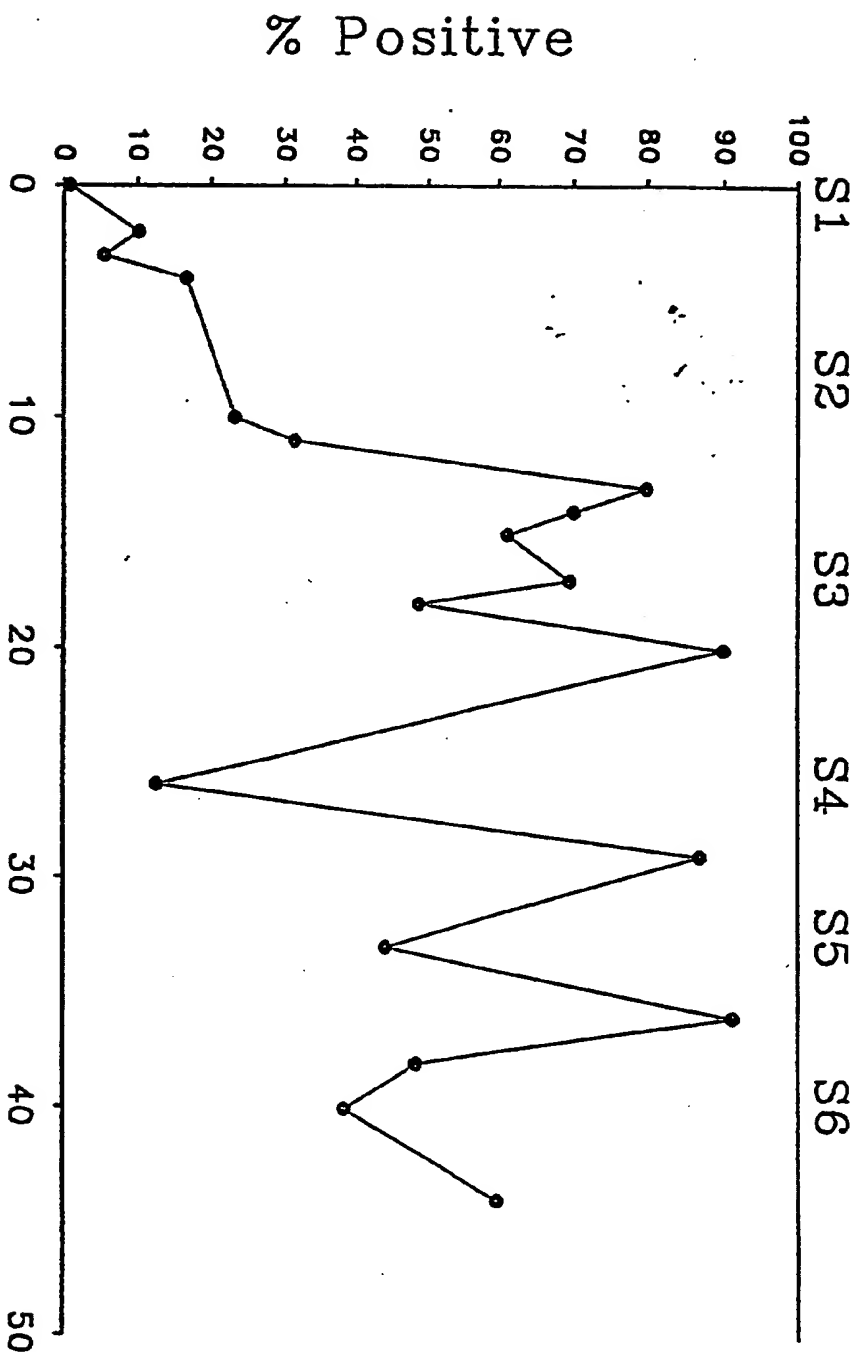


FIG. 10

Cells: CD4<sup>+</sup>/CD28<sup>+</sup>

Day of Culture

Stimulation: CD3sp + CD28

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# Cytokine Accumulation in Culture Supernatants

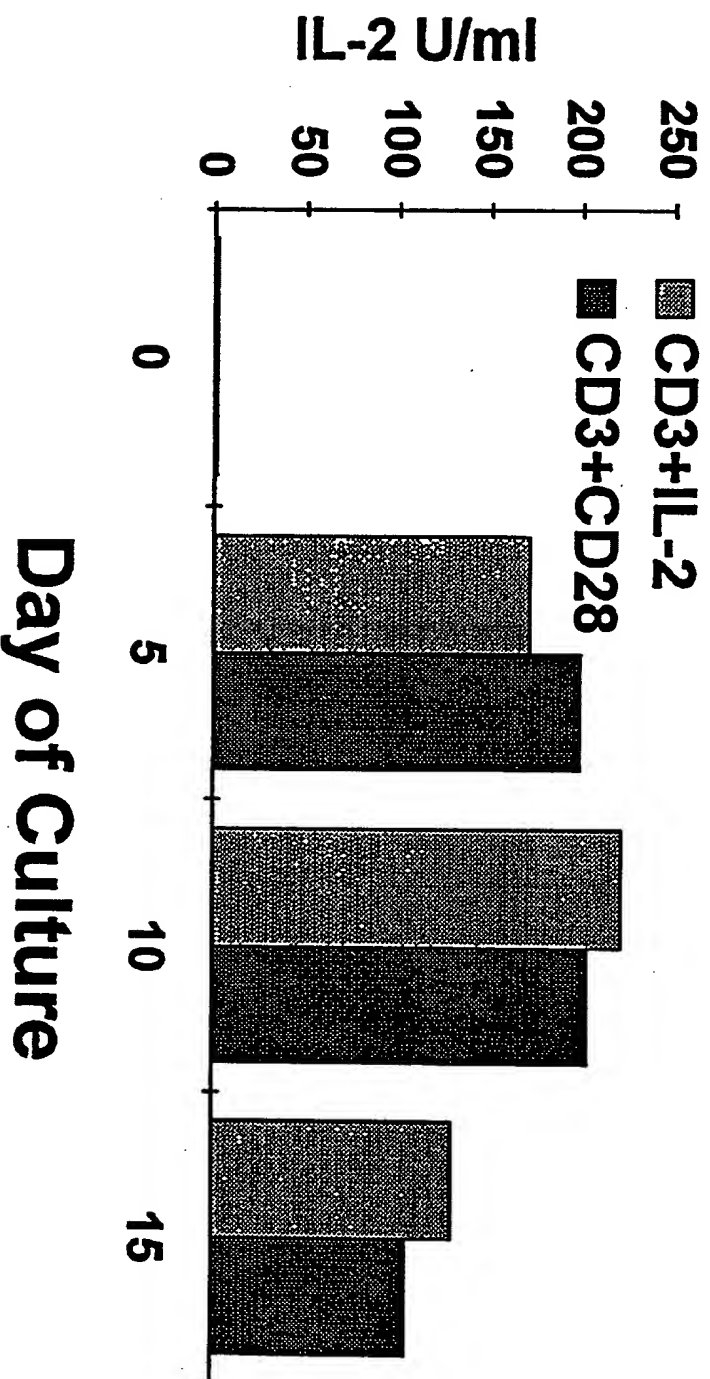


FIG. 11

# Cytokine Accumulation in Culture Supernatants

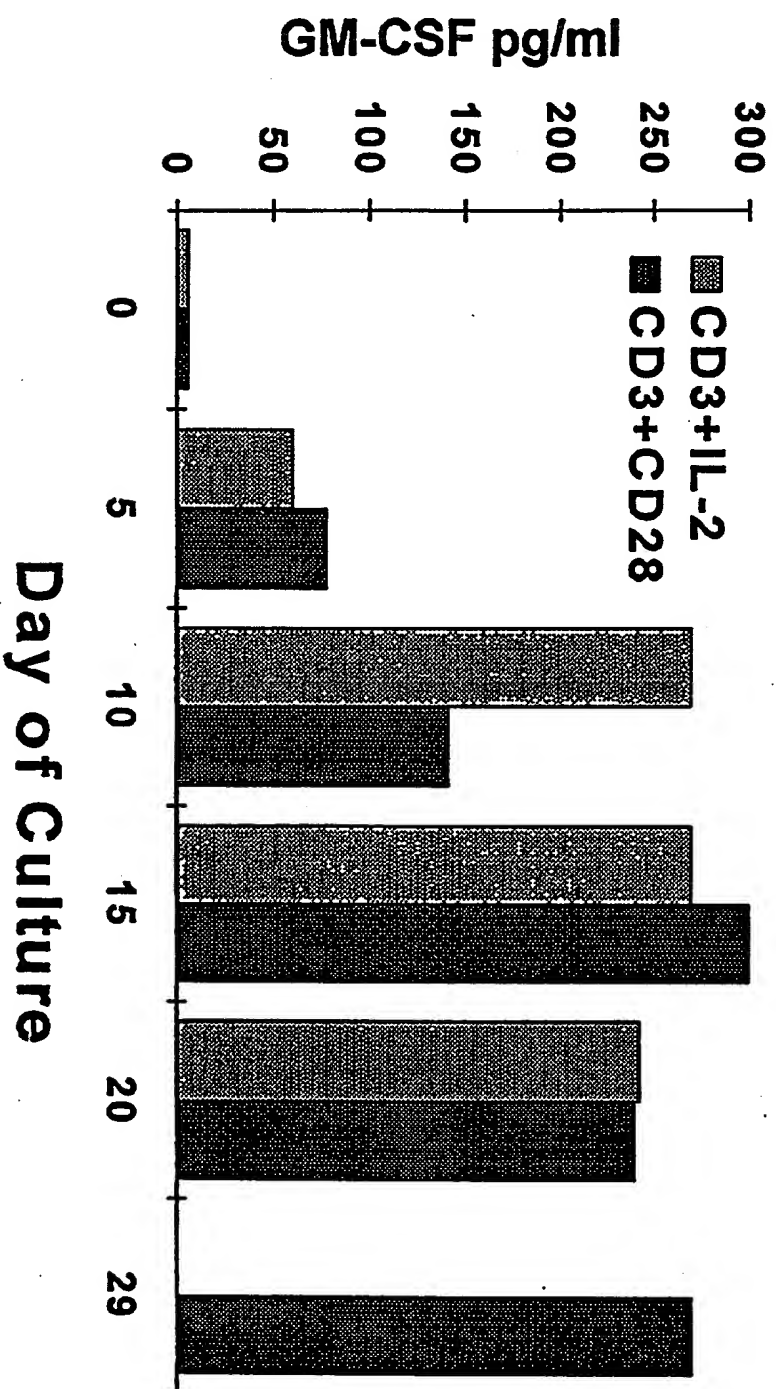


FIG. 12

# Cytokine Accumulation in Culture Supernatants

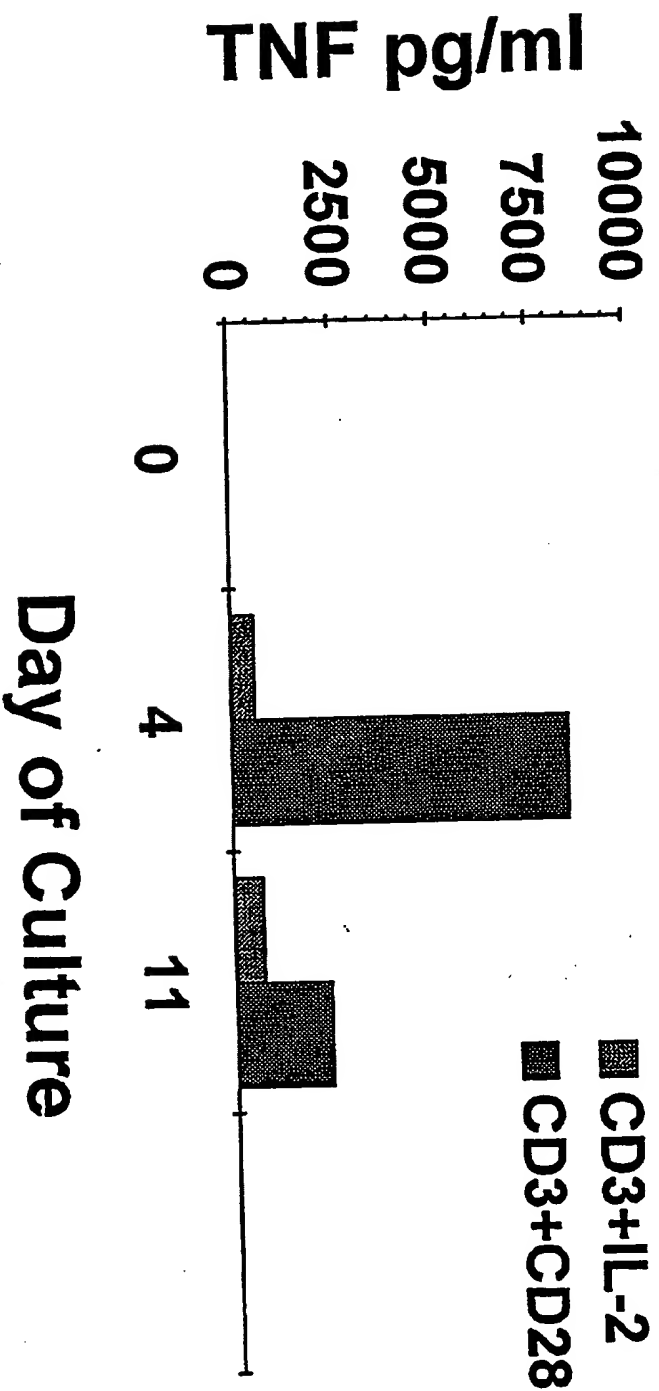


FIG. 13

# TCR Diversity

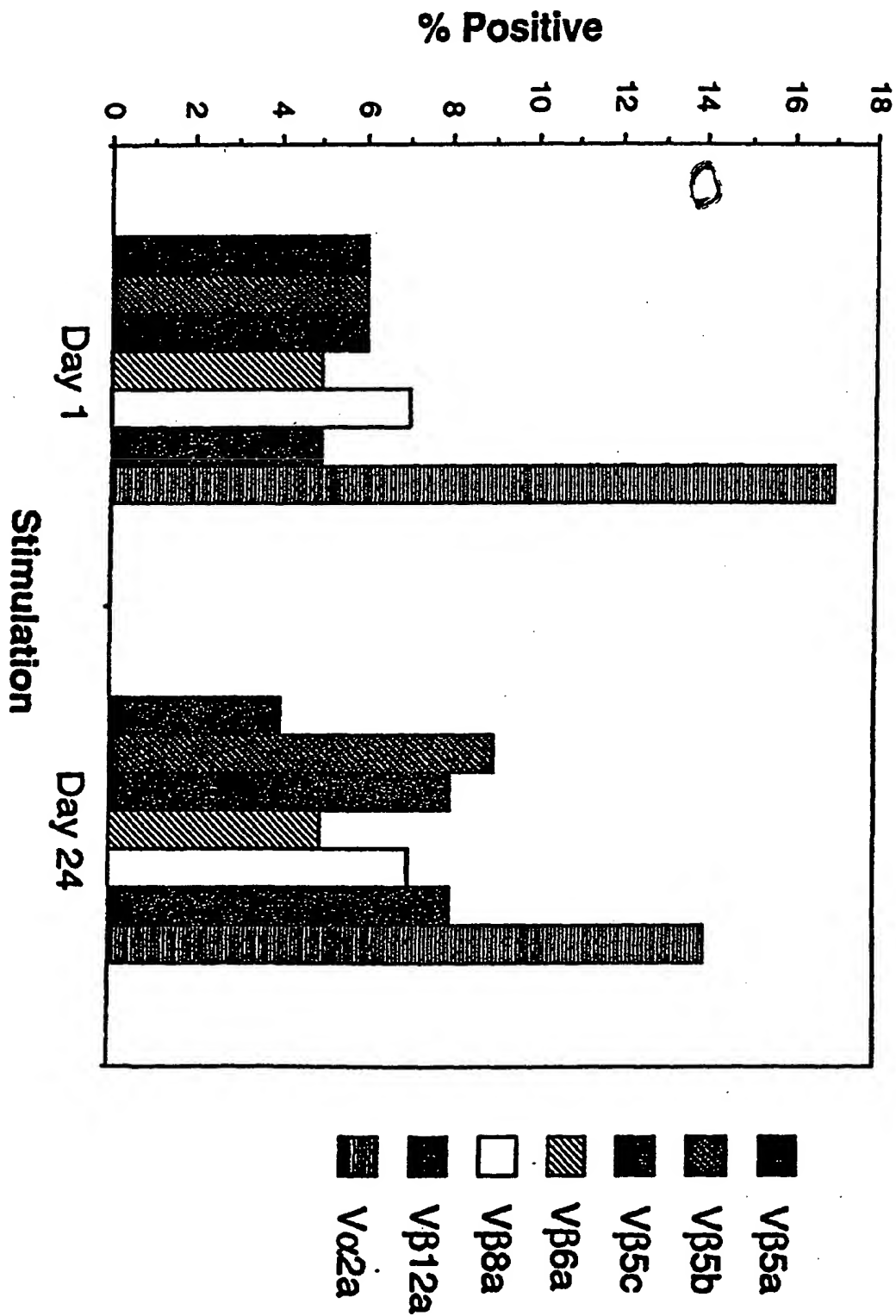


FIG. 14

# **(HIV-) Cell Surface Staining**

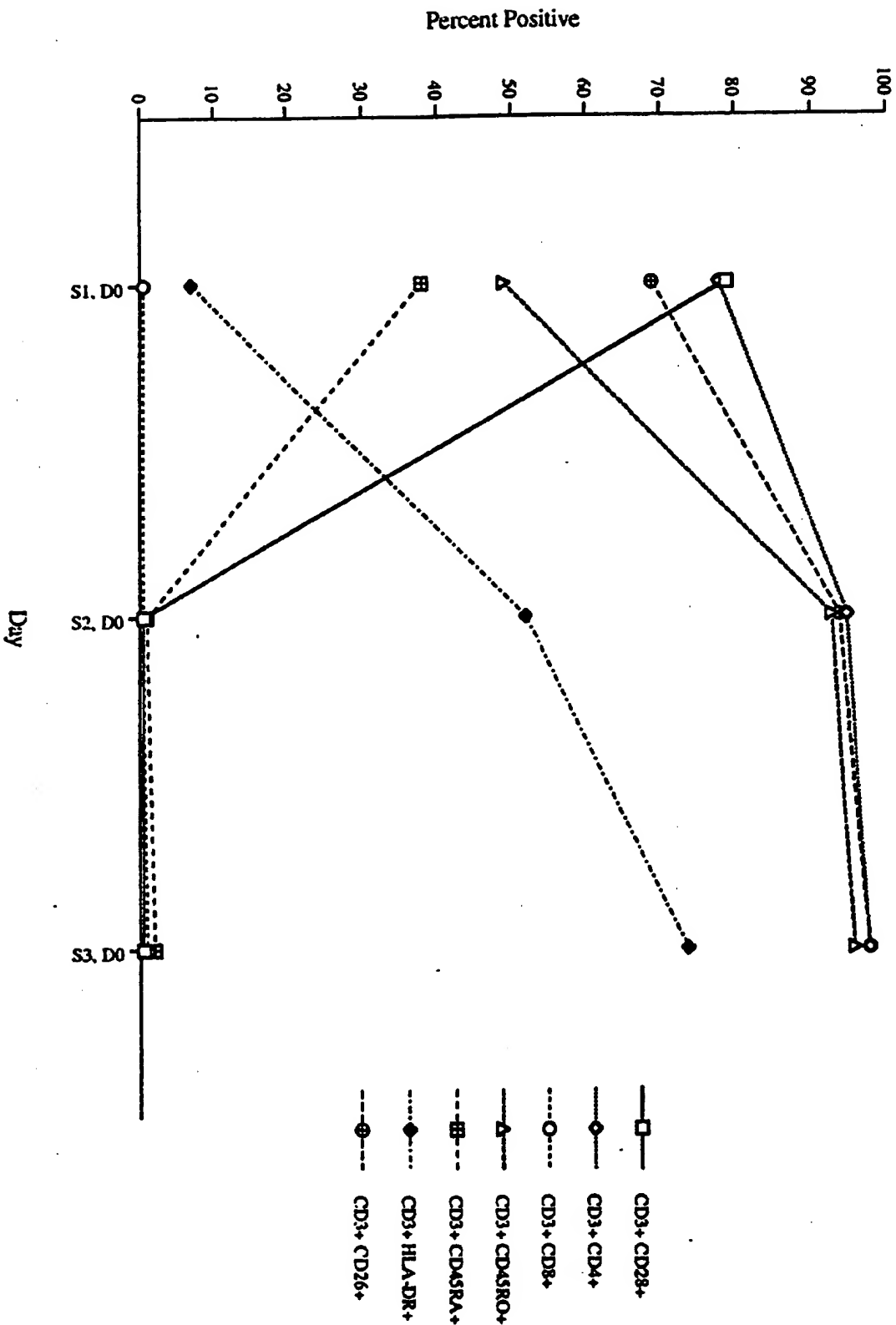


FIG. 15

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# (HIV+) Cell Surface Staining

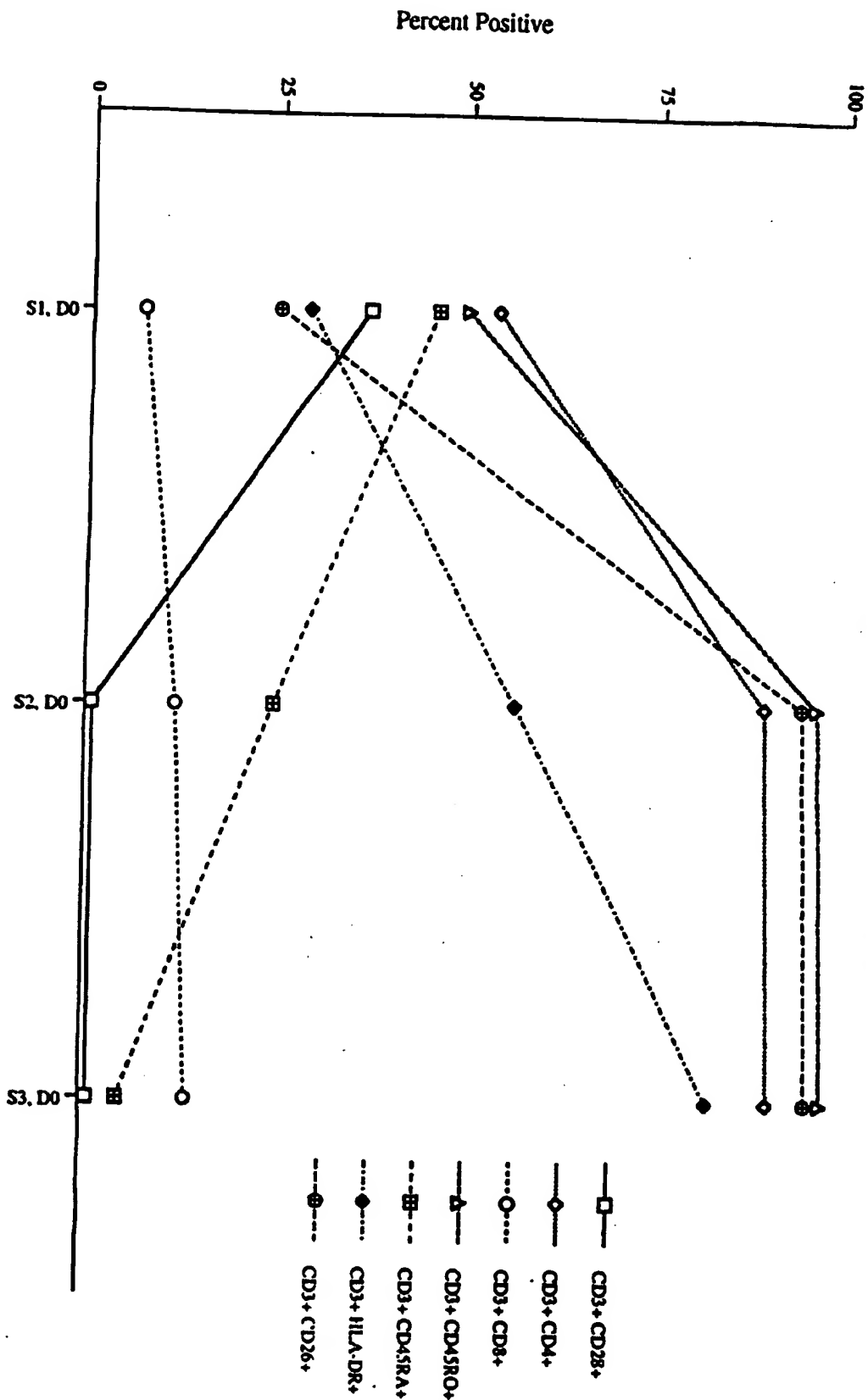


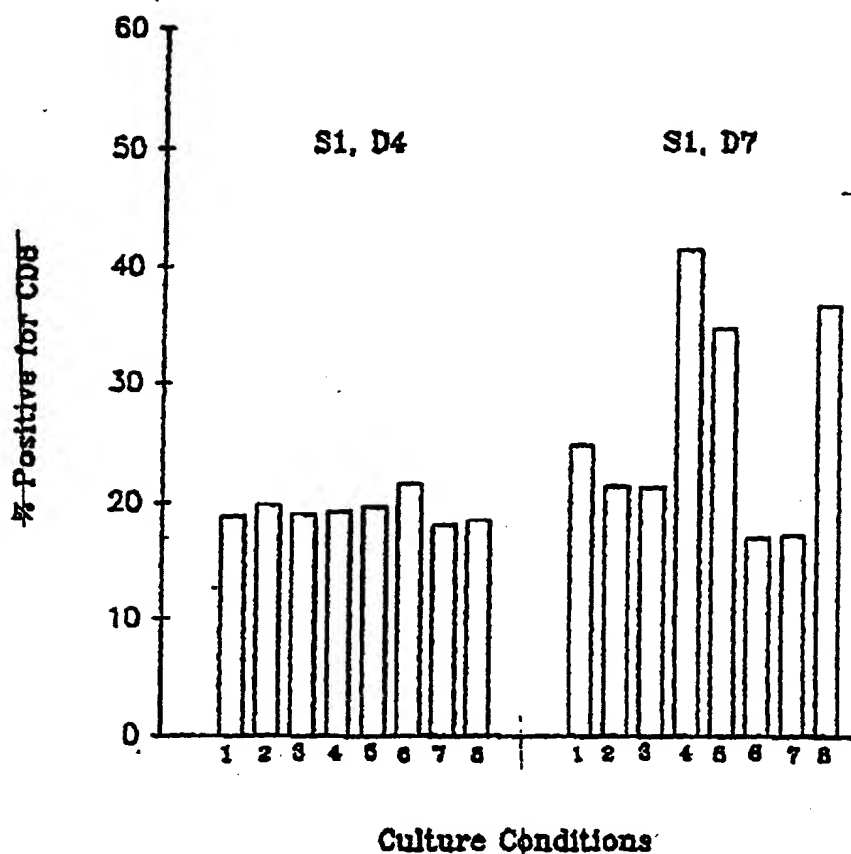
FIG. 16

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866201 55083160

## % Positive for CD8



- #1: G19-4sp + IL-2
- #2: G19-4sp + 9.3
- #3: G19-4sp + EX5.3D10
- #4: G19-4sp + ES4.2D8
- #5: G19-4sp + 7G11
- #6: G19-4sp + 9.3 + ES4.2D8
- #7: G19-4sp + 9.3 + 7G11
- #8: G19-4sp + ES4 + 7G11

FIG. 17

866207 5508160 0913055 102998

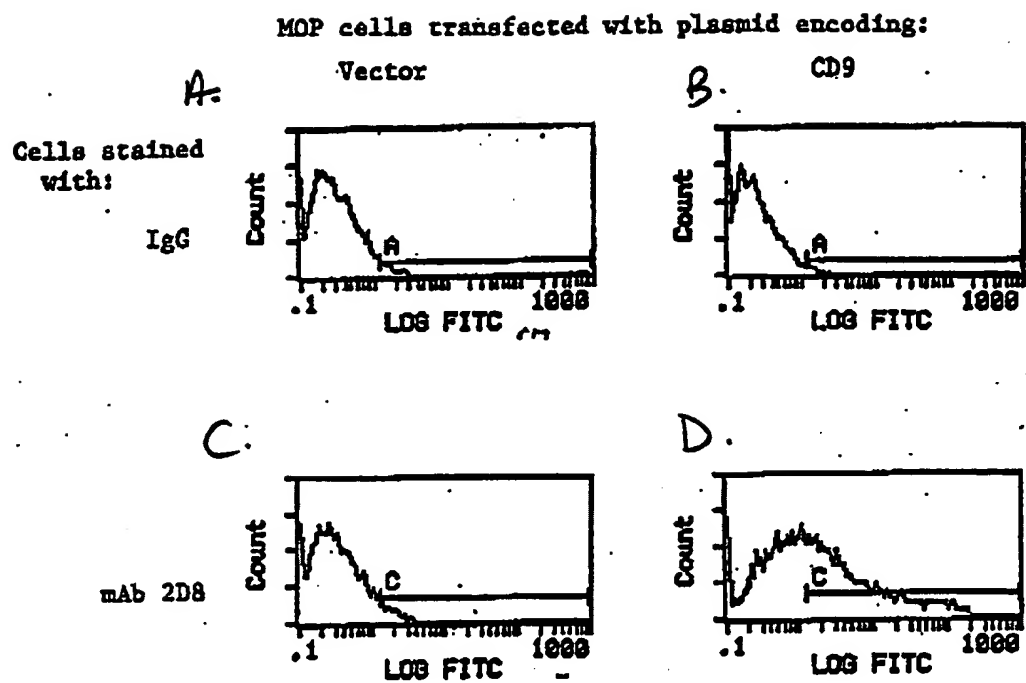


FIG. 18